

## EDUCATION

- **UBDT College of Engineering(VTU)** Davangere, India  
*Bachelor of Engineering- Electrical and Electronics engineering;* August 2013 -July 2017
- **Alvas PU college** Moodbidri, India  
*PUC;* July 2011 - mar 2013

## SKILLS SUMMARY

- **Languages:** Bash, Python
- **Tools:** Ansible, Maven, Jenkins, Docker, Git, Kubernetes, GitHub, Terraform
- **Cloud** Aws & Azure
- **Platforms:** ubuntu, centos, windows

## TECHNICAL SKILLS

### DevOps

- Proficient in version control systems, with hands-on experience in Git. Experienced in using Git for managing code, collaboration with team members, and tracking changes in projects.
- Hands-on Experienced in using Ansible for automation and configuration management. Proficient in writing Ansible playbooks and using Ansible modules to manage infrastructure and deploy applications.
- Proficient in using Ansible Vault for secure storage and management of sensitive data such as passwords and certificates. Proficient in encrypting and decrypting data using Ansible Vault, and integrating it with Ansible playbooks.
- Experienced in using Maven for build automation and dependency management and use Maven plugins for various build tasks such as compilation, testing, and packaging.
- Experienced in setting up and maintaining Jenkins High Availability (HA) environments for continuous integration and delivery. Proficient in configuring load balancing, backup and recovery, and failover mechanisms for Jenkins master and slave nodes.
- Experienced in integrating Maven plugin, Poll SCM, and upstream/downstream projects in Jenkins for continuous integration and delivery. Proficient in configuring builds, triggers, and dependencies, as well as monitoring build statuses and artifacts.
- Experienced in creating and deploying Docker containers, utilizing Docker files for building images, and managing volumes and networks. Proficient in automating deployment processes, scaling applications, and ensuring efficient resource utilization.
- Experienced in setting up and managing Kubernetes clusters using Minikube, and deploying and scaling applications. Proficient in configuring network policies, resource utilization, and load balancing strategies.

### AWS

- Proficient in AWS services, with hands-on experience in load balancing and auto-scaling. Successfully implemented load balancing and auto-scaling solutions for multiple projects on AWS
- Used CloudWatch for monitoring and logging of multiple AWS resources and applications.
- Designed and implemented scalable and secure data storage solutions using S3, including the use of S3 Buckets, and S3 versioning.
- Proficient in AWS services, with hands-on experience in Amazon Elastic Block Store (EBS) volume migration, snapshots, and backups.
- Successfully executed the migration of Amazon Elastic Block Storage (EBS) snapshot from one availability zone to another and one region to another region
- Implemented secure and efficient backup and disaster recovery solutions using Amazon Elastic Compute Cloud (EC2) instances, Amazon Elastic Block Store (EBS) volumes, and AWS Backup service

- With hands-on experience in Amazon Relational Database Service (RDS) and Amazon Elastic Compute Cloud (EC2). Experienced in deploying and managing RDS MySQL servers, and connecting them with EC2 instances to support web applications.
- Create Infrastructure in the cloud using Terraform and maintain the same & Create modules in Terraform according to the requirement. Maintaining the state file according to the Environment. Maintaining the terraform scripts and state file in remote repos.

## LINUX

- Good Knowledge in User and Group administration on Red Hat Linux servers.
- Controlling Access to Files with ACL, default permissions and special permissions.
- Can set permissions for individual users or groups, enabling them to access or modify files and directories as needed.
- Knowledge of archiving and transferring files.
- Knowledge of Package management through rpm and yum.
- Knowledge of creating and managing Files and folders using command-line tools.
- Managing disk space, processor utilization, and network utilization related to servers.
- Proficient in using the ping command to test network connectivity and diagnose network issues.
- Proficient in various backup and recovery tools, tar, with experience in performing full, incremental, and differential backups. Skilled in using various storage media such as cloud storage and tape drives.
- Knowledge of configuring and managing the SSH, DNS, Apache Web Server, FTP, DHCP.

## PROJECTS

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### End-to-End CI/CD Pipeline for Java Application using Jenkins, SonarQube, Argo CD, Helm, and Kubernetes

*Personal Project | Java, Spring Boot, Jenkins, Docker, SonarQube, Helm, Argo CD, Kubernetes*

- **Developed and containerized** a Spring Boot-based Java application using Maven and Docker, ensuring consistent build environments across development and production.
- **Implemented a Jenkins pipeline** that automates the CI/CD process, including stages for code checkout, compilation, unit testing, code quality analysis with SonarQube, Docker image creation, and pushing to Docker Hub.
- **Configured SonarQube integration** within Jenkins to perform static code analysis, enforcing code quality gates and generating comprehensive reports.
- **Utilized Helm charts** to manage Kubernetes manifests, enabling parameterized and reusable deployments across different environments.
- **Deployed applications to Kubernetes clusters** using Argo CD, adopting a GitOps approach to maintain declarative configurations and automated synchronization between Git repositories and cluster states.
- **Managed secrets and configurations** securely using Kubernetes Secrets and ConfigMaps, adhering to best practices for sensitive data handling.
- **Monitored and maintained** the health of applications and infrastructure using Kubernetes probes and logging mechanisms, ensuring high availability and resilience.

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### Flask Microservice Deployment with GitHub Actions & Kubernetes

*Personal Project | Flask, Docker, GitHub Actions, Kubernetes, CI/CD*

- Built and containerized a Python Flask web application using Docker, following best practices for image optimization and reproducibility.
- Designed and implemented a CI/CD pipeline using **GitHub Actions** to automate linting, testing (pytest), image build, and push to Docker Hub.
- Authored **Kubernetes manifests** (deployment.yaml, service.yaml) to deploy the containerized app to a Kubernetes cluster with rolling updates.
- Leveraged **Kubernetes Deployment, Service, and ReplicaSet** objects to manage stateless application workloads and expose them via loadbalancer.

- Employed **GitHub Secrets** for securely injecting Docker credentials into the CI pipeline during image publishing.
- Ensured infrastructure-as-code principles by versioning all deployment and pipeline configurations within the repository.
- Validated deployment health through Kubernetes probes and tested scalability using multiple replicas.
- Orchestrated the entire DevOps lifecycle from code commit to deployment using open-source tools and minimal cloud dependency.

### *Languages*

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English, Hindi, Kannada, Telugu and Marathi.

### **Extracurricular Activities & Career Development**

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- Dedicated time post-academics to prepare for **UPSC Civil Services Examination (CSE)** and **State PSC Group A services**, successfully clearing prelims and appearing for the **Mains in 2021**. This period reflects a strong foundation in discipline, critical thinking, and problem-solving under pressure.
- In 2024, transitioned focus to **Cloud Computing and DevOps**, driven by a passion for technology and automation.
- Completed hands-on training in **AWS services**, Linux, CI/CD tools (Jenkins, Docker, Kubernetes), Infrastructure as Code (Terraform), and monitoring tools, building a solid foundation for a career in Cloud & DevOps engineering.